

International Application No. PCT/AU03/001350
Title: A SYNTHETIC LATEX COMPOSITION
Preliminary Amendment

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A process for preparing synthetic latex compound, the said process includes including the steps of:
 - a) adding a polyvalent metal chemical or a mixture thereof to a surfactant stabilised synthetic carboxylated latex, or blend with other synthetic latex to form a synthetic latex compound;
 - b) stirring the synthetic latex compound;
 - c) diluting the synthetic latex compound obtained in step (b) to a predetermined total solid content (TSC); and
 - d) maintaining the synthetic latex compound obtained in step (c) at a temperature between 0° to 80° C.
2. (currently amended) The process as claimed in claim 1, wherein the polyvalent metal chemical may be is selected from the group consisting of zinc oxide, zinc carbonate, calcium carbonate, magnesium oxide, magnesium carbonate, hydroxides of calcium, magnesium, aluminum or aluminates or and any combinations thereof.
3. (currently amended) The process as claimed in claim 1, wherein the synthetic carboxylated latex is selected from the group consisting of may be zinc oxide, zinc carbonate, calcium

carbonate, magnesium oxide, magnesium carbonate, hydroxides of calcium, magnesium, aluminum or aluminates or and any combinations thereof.

4. (original) The process obtained in claim 1, wherein the synthetic carboxylated latex compound is synthetic carboxylated nitrile latex.
5. (original) A synthetic latex compound obtained from a process which includes:
 - a) adding a polyvalent metal chemical or a mixture thereof to a surfactant stabilised synthetic carboxylated latex, or blend with other synthetic carboxylated or non-carboxylated latex or latices to form a synthetic latex compound;
 - b) stirring the synthetic latex compound;
 - c) diluting the synthetic latex compound obtained in step (b) to a predetermined total solid content (TSC); and
 - d) maintaining the synthetic latex compound obtained in step (c) at a temperature between 0° to 80° C.
6. (currently amended) The synthetic latex compound as claimed in claim 5, wherein the polyvalent metal chemical may be is selected from the group consisting of zinc oxide, zinc carbonate, calcium carbonate, magnesium, aluminum, or aluminates or and any combinations thereof.

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7. (original) The synthetic latex compound as claimed in claim 5, wherein the synthetic latex compound is nitrile latex.
8. (currently amended) A non-staining rubber article ~~such as a non-staining glove, condom, finger cot or balloon~~ made from a composition containing an effective amount of synthetic carboxylated butadiene co-polymer latex and an effective amount of polyvalent metal chemical or mixture thereof as the sole cross-linking agent.
9. (currently amended) A non-staining rubber article ~~such as a non-staining glove, condom, finger cot or balloon~~ made from a composition containing an effective amount of synthetic polymer latex or latices, an effective amount of synthetic carboxylated butadiene co-polymer latex and an effective amount of polyvalent metal chemical as the sole cross-linking agent.
10. (currently amended) The non-staining rubber article as claimed in claim 8 ~~or 9~~, wherein the rubber article is free from any sulphur and/or sulphur containing chemicals.
11. (currently amended) The non-staining rubber article as claimed in claim 8 ~~or 9~~, wherein the synthetic carboxylated butadiene co-polymer latex is carboxylated acrylonitrile butadiene latex.

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12. (currently amended) The non-staining rubber article as claimed in claim 8 or 9, wherein the polyvalent metal chemical ~~are~~ is selected from any or a combination the group consisting of oxides of zinc, magnesium, calcium, or aluminium, and combinations thereof.
13. (original) The non-staining rubber article as claimed in claim 12, wherein carbonates of zinc, magnesium, calcium or aluminum are combined with the oxides.
14. (currently amended) The non-staining rubber article as claimed in claims 8 and 9, wherein the polyvalent metal chemical has a zinc oxide level is equal to or greater than 0.6 phr.
15. (currently amended) The non-staining rubber article as claimed in claims 8 and 9, wherein the rubber article is free from rubber accelerators.
16. The non-staining rubber article as claimed in claims 8 and 9, wherein the rubber article is free from Type I and Type IV latex allergens.
17. (currently amended) The non-staining rubber article as claimed in claim 8 or 9, wherein the rubber article does not stain when in contact with the skin or other surfaces, which are contaminated with copper, silver, iron or lead or chemicals of these metals.

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18. (new) A non-staining rubber article as set forth in claim 8, wherein the article is selected from the group consisting of a non-staining glove, condom, finger cot or balloon.
19. (new) A non-staining rubber article as set forth in claim 9, wherein the article is selected from the group consisting of a non-staining glove, condom, finger cot or balloon.
20. (new) The non-staining rubber article as claimed in claim 9, wherein the rubber article is free from any sulphur and/or sulphur containing chemicals.